BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

NAME OF THE WORK IMPROVEMENTS TO DRAIN AT HAVNOOR LAYOUT, BAGALAGUNTE WARD NO. 14

Sl. No	Description	Dimensions				Est. Cost / Qty.	Rate	Amount
		No.	L.	B.	D			5000000.00
1	2	3	4	5	6	7.00	8	9
I	For Drain							
1	KSRRB 300-2 : Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3 (Page No.142, Item No. 19.2)							
	for CC drain	2	156.00	1.20	1.00	374.40		
						374.40	119.78	44846.00
							Per Cum	
	Basic Rate	113.00						
	Add 6% A.W	6.78						
	Total	**119.78**						
2	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
	For drains	2	156.00	1.20	0.15	56.16		
						56.16	5159.02	289731.00
							Per Cum	
	Basic Rate	4867.00						
	Add 6% A.W	292.02						
	Total	**5159.02**						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.31)							
		8	156.00	0.90		1123.20		
						1123.20	310.58	348843.00
							Per Sqm	
	Basic Rate	293.00						
	Add 6% A.W	17.58						
	Total	**310.58**						
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2)							
		2	1560.00	2.40		7488.00		
		2x24	156.00	1.00		7488.00		
						14976.00		
				14976.00	/ 1000	14.98		
					Say	**14.98**	64243.42	962109.00
							Per Tonne	
	Basic Rate	60607.00						
	Add 6% A.W	3636.42						
	Total	**64243.42**						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.Specification No.KBS 4.1, 4.6 (Page No.13, Item No. 4.11)							
	for Drain bed	2	156.00	0.90	0.15	42.12		
	for side wall	4	156.00	0.15	0.90	84.24		
						126.36	6371.66	805123.00
							Per Cum	
	Basic Rate	6011.00						
	Add 6% A.W	360.66						
	Total	**6371.66**						
6	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3 (Page No.142, Item No. 19.1)							
	For drains	2	120.00	0.60	0.50	72.00		
						72.00	86.92	6258.00
							Per CUm	
	Basic Rate	82.00						
	Add 6% A.W	4.92						
	Total	**86.92**						
7	Removing B.S slab of Drain and stacking (Page No.25, Item No. 5.32)							
	For drains	2	150.00	1.35		405.00		
						405.00		

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Deduct 80% for missing, broken & damaged B S slabs					**324.00**		
					Net qnty	**81.00**	65.72	5323.00
							Per Sqm	
	Basic Rate	62.00						
	Add 6% A.W	3.72						
	Total	**65.72**						
8	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
	For drains	2	150.00	0.45	0.15	20.25		
						20.25	5159.02	104470.00
							Per Cum	
	Basic Rate	4867.00						
	Add 6% A.W	292.02						
	Total	**5159.02**						
9	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick (Page No.25, Item No. 5.31.1)							
	Deducted 80% missing, broken & damaged B S slabs Qnty vide item No. 10					**324.00**		
						324.00	665.68	215680.00
							Per Sqm	
	Basic Rate	628.00						
	Add 6% A.W	37.68						
	Total	**665.68**						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
10	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.13, Item No. 4.7)							
	For drains	2	150.00	0.20	0.075	4.50		
	Drain bed	2	150.00	0.45	0.10	13.50		
						18.00	5598.92	100781.00
							Per Cum	
	Basic Rate	5282.00						
	Add 6% A.W	316.92						
	Total	**5598.92**						
11	KSRB 5-14.1 : Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification(Page No.25, Item No. 5.27.1)							
	For drains	4	150.00	0.40		240.00		
						240.00	993.22	238373.00
							Per Sqm	
	Basic Rate	937.00						
	Add 6% A.W	56.22						
	Total	**993.22**						
12	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 10 cms thick (Page No.25, Item No. 5.31.2)							
	For Covering slabs	2	150.00	0.90		270.00		
						270.00	825.74	222950.00
							PerSqm	
	Basic Rate	779.00						
	Add 6% A.W	46.74						
	Total	**825.74**						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
13	KSRB 5-8.2: Providing two line dressing to granite stone slab/granite stone masonry as per specification. KBS 5.1.13 (Page No.24, Item No. 5.18)							
	Qty vide item no 15					270.00		
						270.00	963.54	260156.00
							Per Sqm	
	Basic Rate	909.00						
	Add 6% A.W	54.54						
	Total	**963.54**						
14	Providing Machine cutting to BS slabs							
		2	150.00			300.00		
						300.00		
			300.00	/0.60		**500.00**	Nos	
	DATA RATES APPROVED Rs 60.00		500.00	x 3.00 Mtr		**1500.00**	60.00	90000.00
							Rmt	
15	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials							
		2	156.00	0.90		280.80		
						280.80	1698.00	476798.00
							PerSqm	
16	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)							
		2	150.00			300.00		
		2	156.00			312.00		
						612.00		
				612.00	/ 0.45	**1360.00**		
					Say	**1360.00**	385.84	524742.00
							Nos	

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Basic Rate	364.00						
	Add 6% A.W	21.84						
	Total	**385.84**						
17	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (Page No.122, Item No.15.80)							
		2	150.00	0.45		135.00		
		2	156.00	0.45		140.40		
						275.40	29.72	8185.00
							Per Sqm	
	Basic Rate	26.00						
	Add 6% A.W	3.72 1.56						
	Total	**29.72** 27.56						
18	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (Page No.122, Item No.15.81)							
	Qty vide item no 17					275.40		
						275.40	69.96	19267.00
							Per Sqm	
	Basic Rate	66.00						
	Add 6% A.W	3.96						
	Total	**69.96**						
19	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM a) Basic rate for haulage of materials as per item No. 17.4/ KSRRB: M100-4,1 … Rs. 2.00 Tonne / Km b) Average earth of work 1.28 Tonne / Km Rs, 2.00 c) Add loading and unloading Page. No. 133 Item No. 17.1 PWD SR 2016-17							

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Qty vide item no 1					446.40		
						446.40	85.65	38233.00
	Loading and unloading Charges	68.00					Per Cum	
	Lead 4 KMs 2.5x1.28x4	12.80						
		80.80						
	Add A W 6 %	4.85						
	Tota	85.65						4761273.00
						Sub Total		4761868.00
20	Tender Premium							238093.00
21	Miscellaneous and unforeseen charges							39.00
						GRAND TOTAL Rs.		5000000.00

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per the PWD & IWTD CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No. 14

Asst.Executive Engineer
T.Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

ಪತ್ರ ಸಂ.EE/DD/AS/73/17-18 ದಿನಾಂಕ : 01-09-17
ರೂ. 50,00,000/- Rupees fifty lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲನಾ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ಪಟ್ಟಣ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/121/17-18 ದಿನಾಂಕ : 25/9/17
ರೂ. Rs. 50.00 Lakh only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Scanned by CamScanner